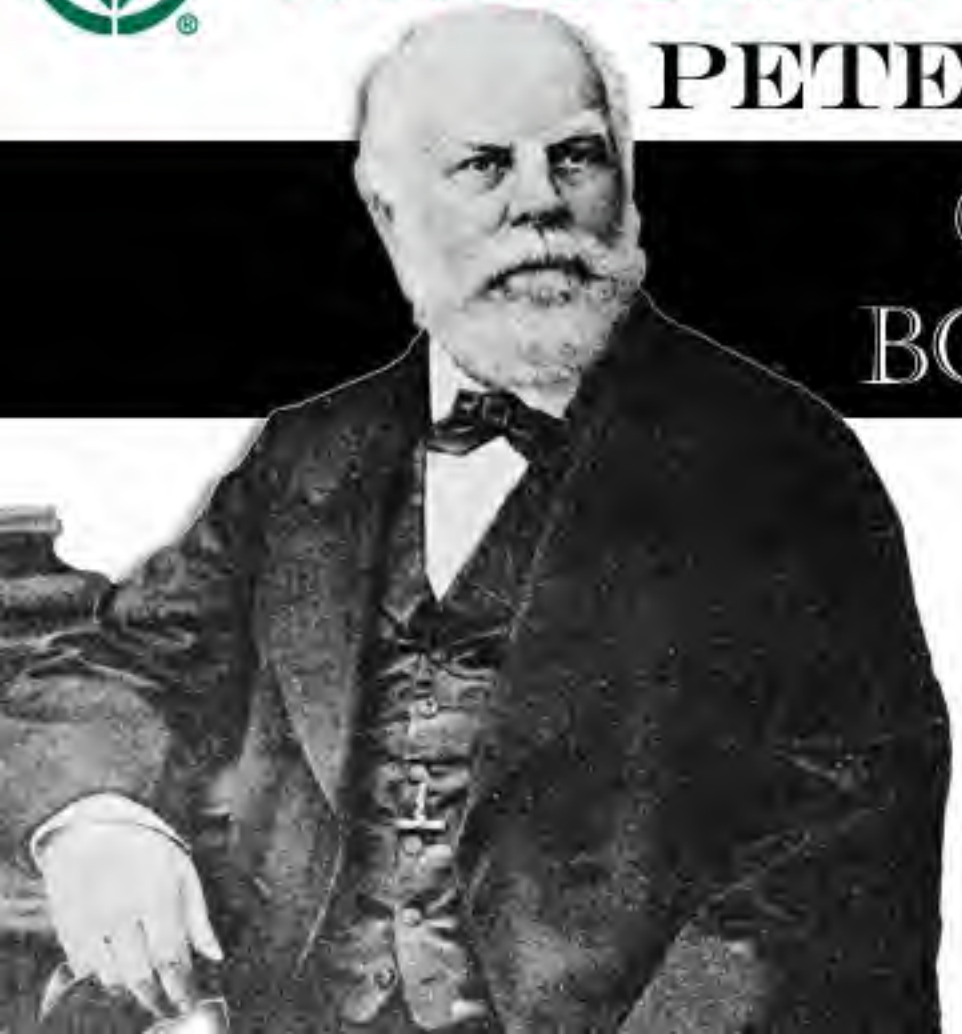
Missouri Botanical Garden
Peter H. Raven Library

George Engelmann Botanical Notebooks



Pagination Note:
Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.

Fair Sept 22 – 29 Starkie — Starkey
Mrs W A Street 328 Glenarm, Corner of 14
i. Halloweel Street near American House

Denver

Dr W.m R Whitehead
Dr E C Gehrung 330 Larimer Str
Dr Fendlich from Zug
Inter ocean – Grand Central – Ford's
– American are the large
& 4 & 5 Hotels,
Wentworth, Hattan, Broadwell
are more reasonable

Blake, Handbook of Colorado or?
Ranger House = Grand Central recommended by Pamp
Grand View Hotel – steamboat –
Gen'l Case Denver Wentworth House American.

Denver 8.35 a.m.
Golden 9.30 17 m
leave 9.45
Beaver Creek 10.37 25 m
Big Hill 11.10 30 m
Forks Creek 11.17 31 m
Cottonwood 11.35 33 m
Smith Hill 11.55 35 m
Black Hawk 12.15 38 m
Stage to Idaho
Idaho 1.50

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MISSOURI BOTANICAL GARDEN

14460A

Denver accordg to my calculations is 5303. (1862) or 5317 (1863) alt. now supposed to be 5103'

Simon's signal service ft.
Correction for elevt. 5.220 Corr. for inst. +0.009

Idaho 7800'

Empire 8583'

Georgetown 8452'

Colorado Springs — Springs' Hotel. Dinner
Signal Service Office
Carriage to Glen Eyrie (Genl Palmer
× Garden of gods
(Monument Park seen on a road
8 miles from Colorado)
2. Ute Pass — abt 1 mile, geological walk

MISSOURI BOTANICAL GARDEN.
GEORGE ENGELMANN PAPERS

14460B

Dr Parry:

Denver, up Clear Creek Canon to Idaho Springs (not to Georgetown)
Beebee House, Taylor's livery
Empire City 12 miles from Idaho
at Mr J. Peck's House where is also
Mr Munson, young companion
James G Parry's — also with Gray
Peck at Peck House $15 per week

Pikes Peak on horseback
Colorado Springs 7.45 a.m. — Pueblo
down by stage to Animas City
Where a new Branch of K. P. R. R.
to go home

Georgetown Martin (Ute Indian Agent) Steele
& Barton house — Stoetting, assayer
Cushman, Banker, with Jool. Coll.
Crew P. M. Dr Weisen

Arrenathobium in eastern skirt of Empire at foot of rocky hill on your right as you enter the town near an old tunnel

Abies Engelmi : grows above town west up Clear Creek above the upper fork — also at Grand

Mrs Lindstrom, brewery above town and Parry's old cabin

(now in Philadelphia)

Rob. H Lamborn Colorado City Asclepias

T. S. Brandegee Canon City

Gen L Palmer Colorado Springs

Mrs Rud Schulenburg Cascade Hotel " "

Henry Fenton Observatory " "

— Seyboth observer on Pikes Peak

Haydin 1874 Bulletin No 2

Longs Peak 14150		Parry & Lyl
Parry 13212	13133	"
James 13262		
Torrey 14249		
Gray 14254	14245	"
Chief 11716		
Pike 13985	14216	"
Jagot 13452	13223	"
Lincoln 14183	5303	
Denver (Signal Serv. 5132)	5303	dy. 5
Colorado Springs depot	5872	
Col. City	6342	

Collins

Sept 15 2 to Schelby Idaho 9 ft friday
" 16 a George
16 a Schelby P.C
" 2 Schelby
17 a Brown & Capt. Sides, Mose Eng
2 Patterson, Georgetown, Colorado
18 a Gilbert, Idaho
" a Lindsey with 4 Eagles 9 ft
" a Brown with Snyder supplies
" a Bridges Idaho ft 4
" a Arrangers Idaho
" 2 Gray a Eagles P.C.
19 a Shand = Idaho
" a Brown P.C = Idaho
20 2 Springs
" 2 Kunze, Otto, Denver 17 Sept
21 a Gilbert
a George
23 2 George
" " Otto Kunze
24 to Parry
25 to Cliffhouse
to Bell
28 2 George 27 Sept
" a George
" a Gray

glens falls

1 Male
2 Male & female & on 10" trunk
3 female (many Crowns gathered
and in Cavity
4 only females (young) by trunk
5 only 1 very diseased but
few spurs
6 Some Cones Crushed & started & Dead
and the other 3" started & a, on a twig of
young shoots of same healthy!
7 Trunk 8" with 2 Cones Crushed 4" @ 6 or
old Cones — Collar with many & to
young ones Crowded
8 very stout tree Double
and much Crushed Cones, many
dead stems from, one Crushing
ones for & Seeds now collected
Tree dying 1 1 Rain
9 has a Crack 4 ft up by Dia Much distort
Crush male on trunk 2½ ft up and on
Branches & with 3 Cones on this Male

~~Saturday~~ Fri Jan 18 Snow flurries
afternoon up Creek Cut down tree
Saturday Every thing Covered with snow
Splendid! Down Motor. Plants
for Show etc — Drawing
Sunday 8½ off 10½ Drive Mr Peck
11 off — Mrs Floyd Stuck
6 off. Magnolia
Cairn Dr Fox Clematis Off
Eight Sandstone gate
Drive Brighton
21st off! Seven Cyclechain Press
Rose Sandstone for entrance
Drive — Upon left Park
Burgh — Plane & Oak — Grove
Lower Jungle Mile — Long
Long myself all in Procession
& Queen, Bridesmaids Mrs Parker
Bridesmaid Rose Mr Gilbert
Bastein! City, Fir Gable
11½ Duck Lake Snow, Cold
19° 27° — Col Spr Sign Pens

Upper North Fork Left Bank 1/4 mi
Less Carb acid — Sick 57.5°
Main Lower mid Bank 1/4 m
bubbly with great force — 59.3
Creek water Today 57° —
air 9 a m — Thermometer
52° (in wet)

Sept 22 Tuesday up Ute Pass Rain
23d to Col Spr — Cashy — stuck in
Telluride — Met with Engl Can-
Hoyt Menzies —
Palmer, Genl Smith, & Bell
Big pool Service — 7 1/2 mi —
Fontaine Bleau — Grand — Mc Clure
— Flags — Shoshone Falls
Opuntia arb — quite tufts Yucca
tufts — 12 to 20 ft
Cactus ? Alkali — Cottonwood
Dysodia ? Sphaeralcea
Pueblo gap — Pikes Cotton
wood — Cork Canyon
Fremontia Rebe
(Big Manito) Amorpha

	Manito	Selby	Cons Brühnich
Chlor. Sodium	38.	51	27
— Potass	10	1	—
Bicarb Sod	24	29	57
Sulph Sod	8	1	1/2
Bicarb. Calc	15	8	7
— Magnes	9	7	6
— Iron		1/4	1/2

nothing said about the Quantity of Saline matter & Water, nor about the Carb. acid!

Cedar Bluffs
24 Journey. Bluffs Grand
Cedars. Rabun.
Cottonwood Creek 2d 3. 4. 5. Springs Cultivation
Yucca, Weak Shirt Spring Down
Helmia Grass Antelope — Cold Spring
Prairie Dog Town
25 Rhus trilobata Fremontia
Carl Wollston

Griffin
Briggs — Bridge
Mrs Sheely Fremont
Palmer, Ute Horse
96° Cattle,
Telluride

Letters

29 Dr Mellichamp P.C. P.C.

30 Mrs Sheets

" Mr T. F. Bradley

" Mr George P.C.

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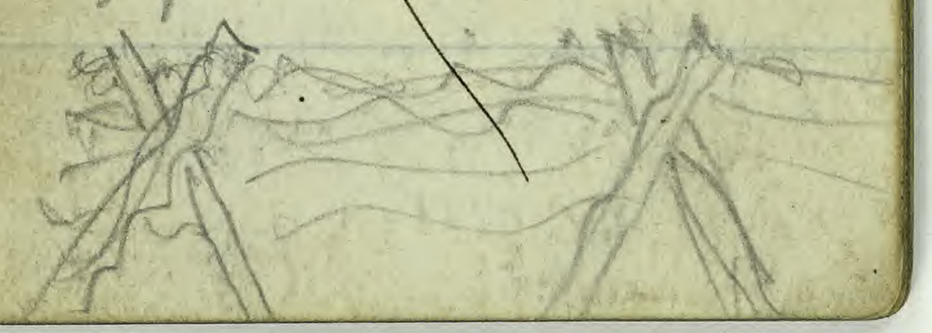
MISSOURI BOTANICAL GARDEN

2
10
10
1 50
1
33
25
15
10
1 50
Wallace 2
50
1
il 2 50
10
25
1 —
25
60
80
50
1 85
20
1 50
32

	Over	32	65
	missing	1	
	Fruit		55
	Peanuts	1	50
	Gr. Cat Bottle 3 2/3 Dep	30	
	Omnibus	1	
	To Idaho Round tickets	16	—
30	Swilergive		50
31	Bath		75
Aug 2	"		50
	Porter		50
	Hotel 4/4 Dep for 2	34	—
Aug 10	Beer at Lindstroms		25
		119	20
Aug 17	Gargeton dinner	1	—
	beer		25
	twine etc		
15	2 rem. platypus for Dep (1/2)	1	60
	17 peaches 20		25
17	Board 2 weeks	48	50
	use of horses etc. et.	17	50
	washing	6	—
18	Beer, Johnstons		25
	~~carpet to Peck cash~~	~~3~~	~~50~~
26	Idaho Cattle		50
	2 dinner	2	—
27	Beer		25
	washing twice 1.40. 1.70	3	10
28	Gargeton beer 30 fruit 25		55
	Our share of Green Lake Expens.	3	—
31	Aug for E Johnson N George	20	—
	Peckhouse 2 weeks	66	—
	& use of horses	286	95

209 total

23 July Jeff — 6 Lösung 9½ K
Sch. Leipzig 10 h Genf — 9.10 St
Bük — Brooklin 10½ Lange Hall
Verkehr gründig der Mission 1 Uhr
Lange Drive fin. Missouri Burg
Ein Hermann 3 — unter Dem
Pinnick & Becker 10 St, Stücke
Gasconade! Bridge! gerade trees
dicke Mississippi Bluffs
2½ Jefferson City Pecher — Dem
Siegel Kind Bier — Pferde
Zuffen 3-4 Wagen, 1 Pferd
Jay Hof der Alles
Tipton 4 Uhr Wasser zum
Brown Hof Camp off
5½ Leipzig, Indien — Pferde
Pferde — Aaron Burr, Jay Hof
Gärtner Brown Jeptha etc Pferde
2 Rock Quarz, Star Limestone
Wasser Pferde
Ker 4th Night



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Climatis Solidago — Aster trifolium
Iris — Asclepias — Mimulus — et
~~Senecio~~ Spraige! Gl. — Spiraea
Bogg — Kehr Schneidig Black
Alder — Lobelia Gentiana — Gentiana
Lobelia. Orchis — Thermop.
Senecio. Lonchosp. — Junip Virg —
Salix — Smilax pendrosa
— Gaultheria — Andropogon — Hypericum
Calopharinus — Onothera crisp — Oxytropis
Senecio Lud — Solidago et Eth Simpsonii
Conyza — Asclepias Cap Nerv — Spiraea
Branch of — Populus Tricho
Idaho Springs

Weeds: 2 Amaranths of Denver
Verbena bracteosa (only Verbena seen
also at Denver. — Ambrosia bipinnatifida
Euphorbia serpyllifolia (only 1?) no Portulaca.

Feb 6th Aug 26 hot 104 cold 76

Idaho hot springs July 30 said to be 110° — where I measured it, coming out of the pipes which are about 200 yards long, it was 108° where it enters the swimming bath, only 100 in the large basin 92° — the coldest shower was now 56°, but varies of course

The strongest Chalybeate spring (chalybeate chalybeate) 95°.5

a little higher up two springs bored into the rock, close together, not as strong as the first one, each less alkaline the southern 104° the northern 107°.5 — they are also chalybeate.

Prof . . . analyzed the hot spring water and found according to printed statement in the bath house

Carb soda	gr. 30.80	Sulph Soda	29.36
— lime	9.52	— Magnes	18.72
— Magnes	2.88	— Lime	3.46
— Iron	4.12	Chlorides	8.26

together 107 grains to the Gallon.

[of 8 pounds, or 61440 grains, which would give to the pound 13.375 gr or to 100 gr. 0.152 grm, or one grain of the salts in 574 grains of water — ought it not be found for Gallon? which would carry the ingredients to 8 times as much

The so called cold Sulphur Spring near old Saw mill below town is alkaline, very slightly

sulphureous and pungnious. To dry dry 2? after the rains of the last days it shows with small nor (with sugar of lead) reaction of sulphur; but only a pleasant pungent drastic taste, which at other drier seasons is preceded by the sulphur-hydrogen taste. temperature and that of the Creek

Tuli

Clear Creek — Quebec.
Cambbora Karb —

5 Georgetown Pass.

6 Thursday. 2 weeks from home Nombaca

7 Pond — d ethic Sapium
bbg - Georgetown — mfr. e

8 North Hill Vernonia — Cooley Arbs
Syzygium wilsonii Carroll
Tam Spin anstd Antho Delis
Alexandra Physaria
afforum remit long Hooker
Gnesh

12½ Flexilis
aristata 11" D12 (1" high) 12-20'
Thickness of bark
Branch 2 ¾"

Yog tree 29 Sep 12 heart 41 yrs do 21 1113 high

Empire Aug 7 1874 alt 8573 Engle
boiling point 199.2 Dey well 47.0
Outdoor temp 2d 3 p.m
72.5 wet bulb 57.0 — few clouds
8½ p — 58.0 49.0
49.0 41.8 5½ a.m.
68.0 54.0 3 p.m. Thunder storm in early morn
9 6¼ am 54.0 47.0
31 3 p — 57. 43.0
Sept 2 6 a.m. 33.0 —
6 6 a.m 42
4 p.m 69 48. — in sun 85 Shade
8 6 a.m 43 metal case 110
3 p.m 70° 44.3

Wells — Empire Pike 25' 47
Sept 19th Bald 46' 46½
Nash. 70' 45

boiling point at 8500' alt
ought to be 196°.
199 would indicate 7400'

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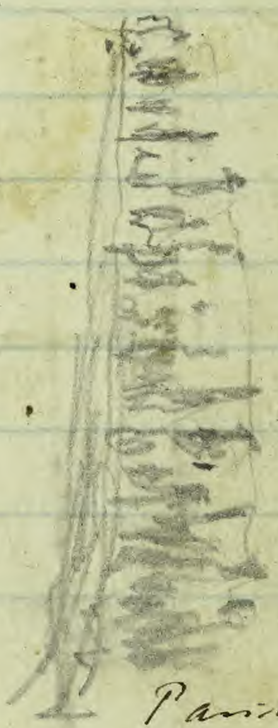
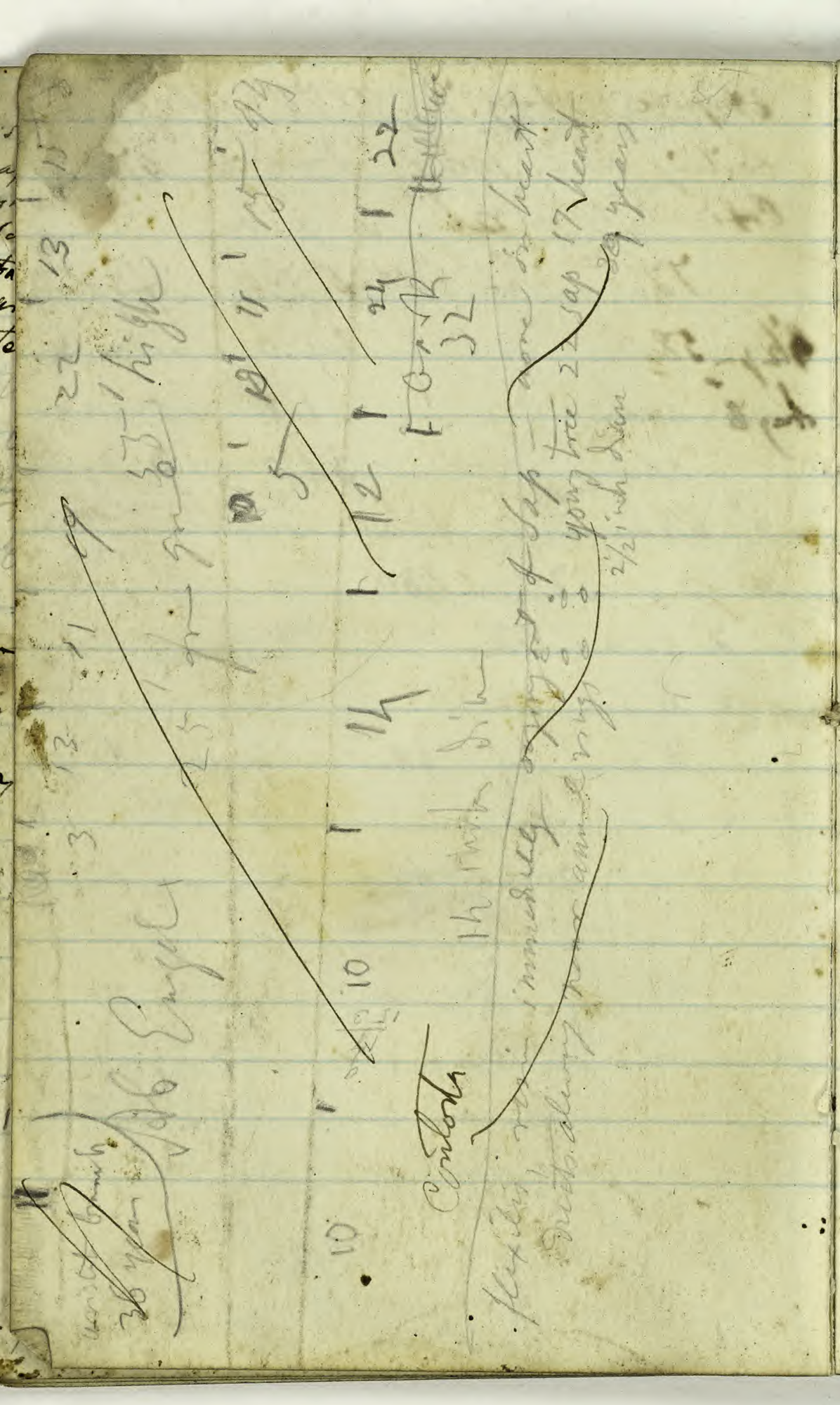
A Douglasii with annulus
8½ x 17" high 2½" diam (17 rings)
10" (23 rings) heart 4" sap 3" bark
40 y. old
17 ag Georgia Station 1906
2000 4000 ft
Hendersonville Mitchell Asheville
Hispeden Not for sale
Pekin works 200 ag 5 ft 6"
Asheville 2-3 Lenoir (Watauga Co.)
Boone Banner Zionville
Ashe Chimneys Jamaica

P flexilis

22° - 44'



Pinus strobus 22/8



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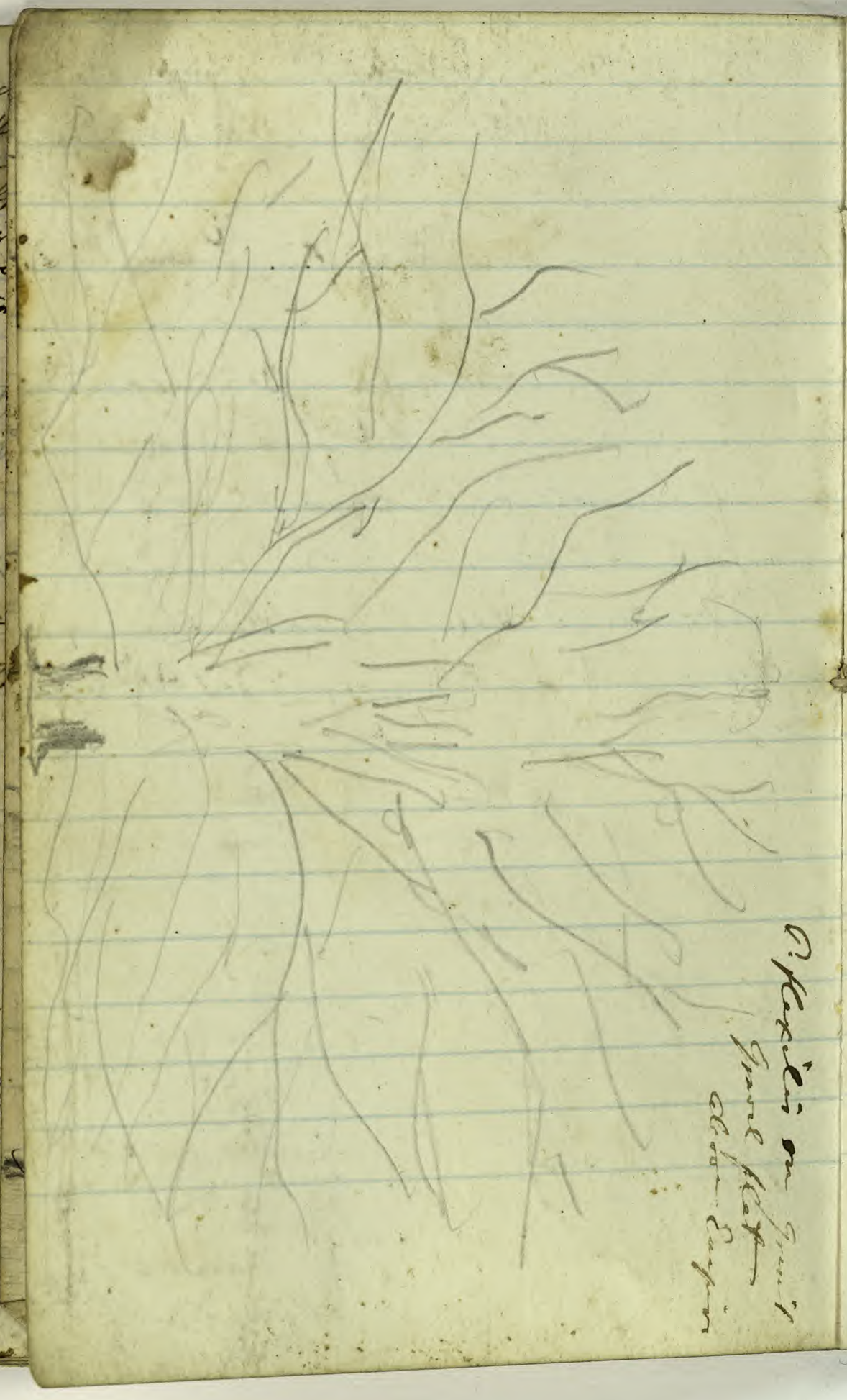

26. Seneca Mrs Pierce left
+ Dahlias Coreopsis Phlox
Cleome Helianth Grindelia
27 Mrs Peck left — Asp. Clear Creek
(Leadville) Pr. Hamilton
28 Greenlake — & Pass. Wildcat
Cibola mount.
29. Saturday.

perennis subscifera
candicans

Many villosum — white spur —
3–5 interior short 12–15 cent.
fruit pendent ripe now.

O. Kingii on Grand
Grand Mesa
Aleo Canyon

25
1/50

10

Sept 1.	check on Denver for Pack		62.50
	~~overcoat~~		29.95
	3 undies		1.90
	" Kid Throat's Boy		4
Aug 29	Trunk		7
	heavy Mountain Shoes		3 50
	Camphor etc		40
Sept 5	Stamps & Envelopes		1 50
	303,25 - 62,50 =	505 25	242.75
	taken with me 37		24465
	Cash 129 35		
			1.90 fijit
Sept 7	Postage		50
10	Washing		3 —
11	Sewing girl		2 —
17	~~Envelopes~~ Stamps		50
"	Washing		2 —
18	Letter paper		10
20	Stamps		50
"	Rocky Hill		89 50
	Bill	check on Denver $100	5
	Washing		75
	Train Trip Start		2 —
	Oyster		25
	Omnibus		1 —
	Post stamps		50
	fee		$60

Sept 21	Hotel Amer Hse		4	50
	Lunch			25
	Omnibus		1	—
	Fruit			90
	Dinner & Log Cab		1	50
23	~~Carriage~~ Hotel & 3.50		12	—
	~~Lunch~~ Porter		1	—
	5 Lyo		0	50
	1 Dinner (Dona)			75
	Stage to Cañon		1	—
	Envelopes & PC.			35
	Newspaper			10
25	Carriages			6
27	Black. Porter			30
	3½ days Fremont Skeet		13	
	omnibus Expr		1	
	3 25 20 — 66 25			45
	Lunch		1	50
	Omnibus		1	00
28	Fruit			25
29	1 quart Calif Claret			75
	3 Lyo 10. Kellner		1	10
30	Western Sleeping Cars		10.	—
36	Photog Skeleton 475.425		9.	—

30	Lunch			15
	Cookies	15		
	pears	15		
	Apples	15		
	Grapes	50		95
Oct 1	Hotel		22	50
	Dinner			
	Cash 51			
	check 286			
	Paper			10
	Porter		1	—
	Omnibus		1	
	Refreshments			100
	Supper, Grilled		2	—
2	Dinner		1	50
	~~Dinner~~ Porter			1
	Omnibus			1
5	Telegraph			75
	Hotel		3	
	Porter			25
	omnibus 1	Sack 25	1	25
	R Road		22	